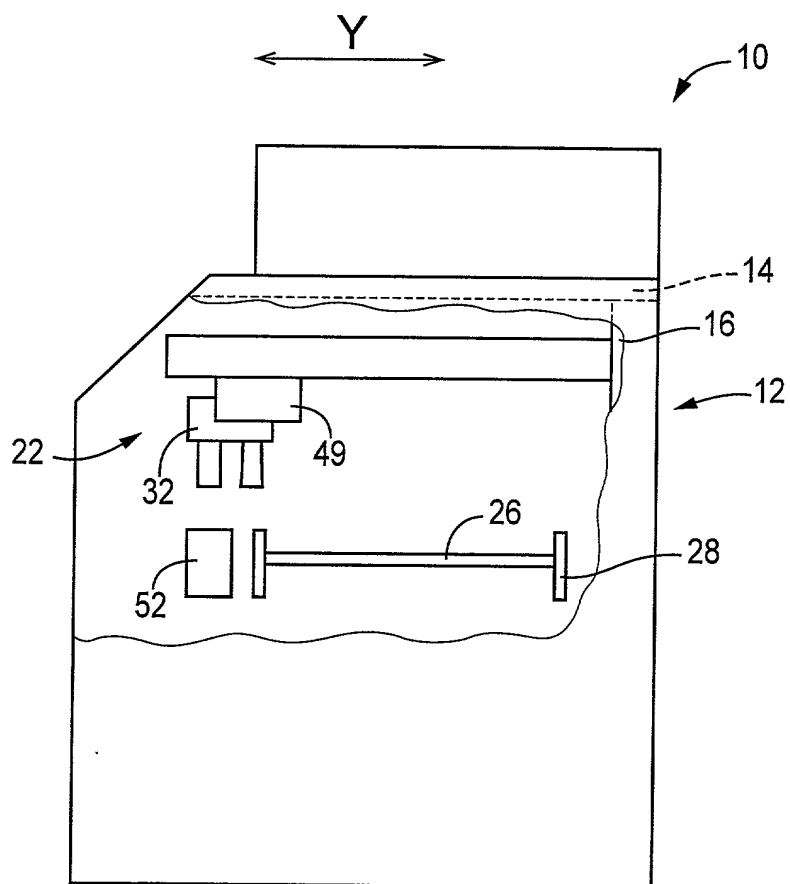


FIG. 1

FIG. 2



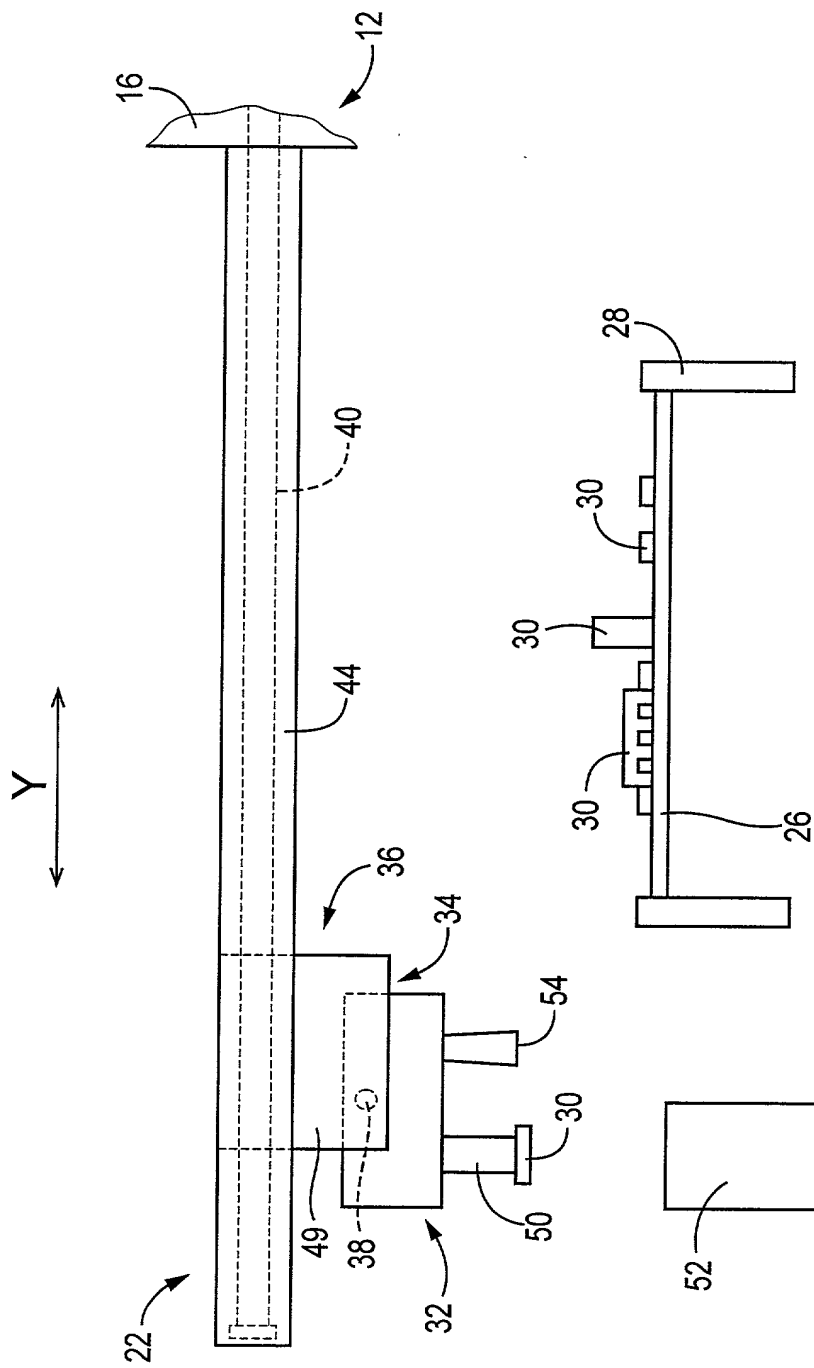


FIG. 3

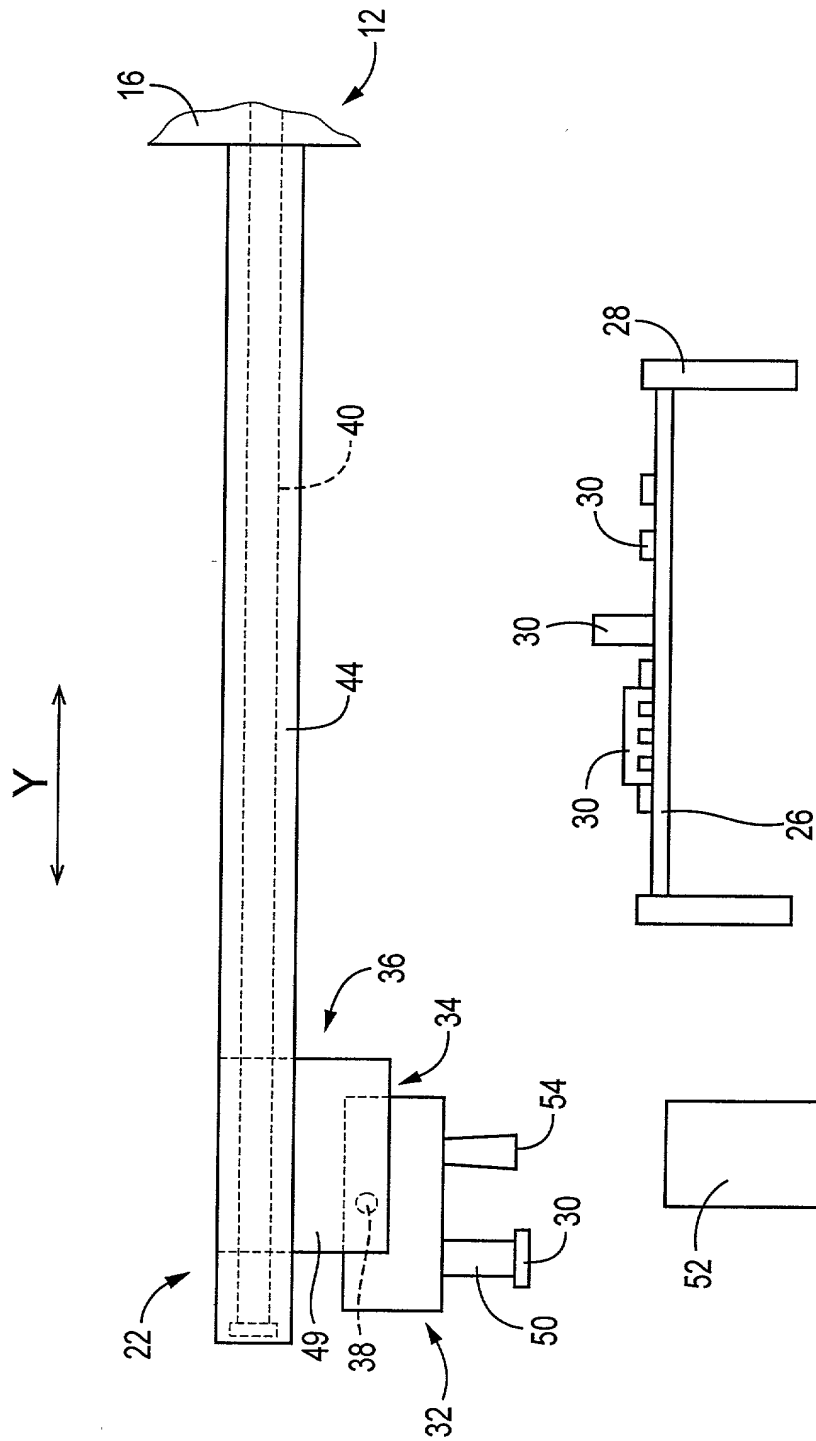


FIG. 4

FIG. 5

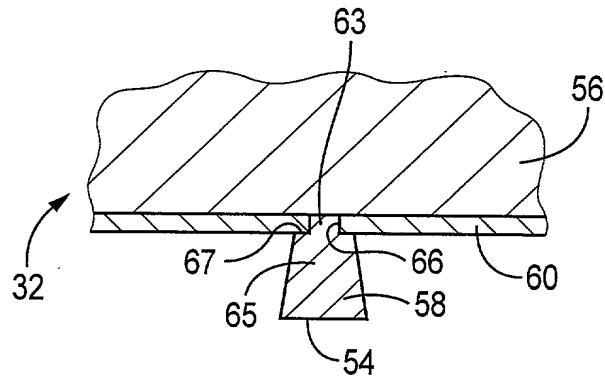


FIG. 6

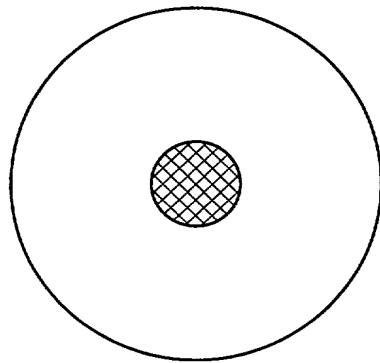


FIG. 7

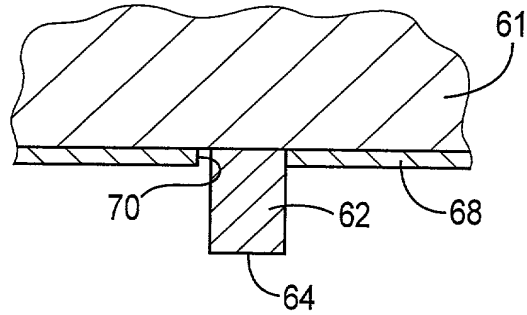


FIG. 8

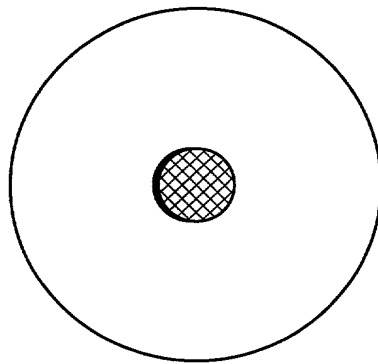


FIG. 9A

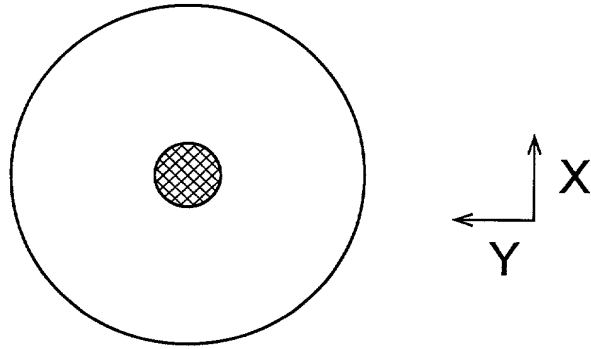


FIG. 9B

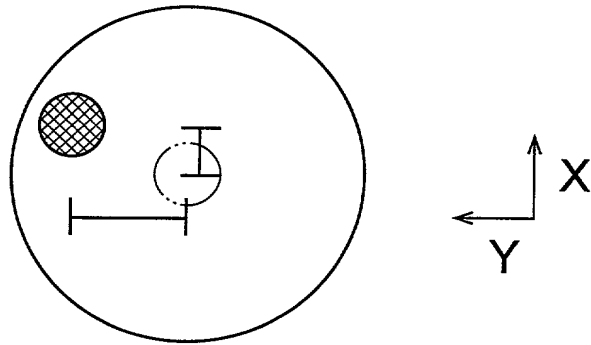
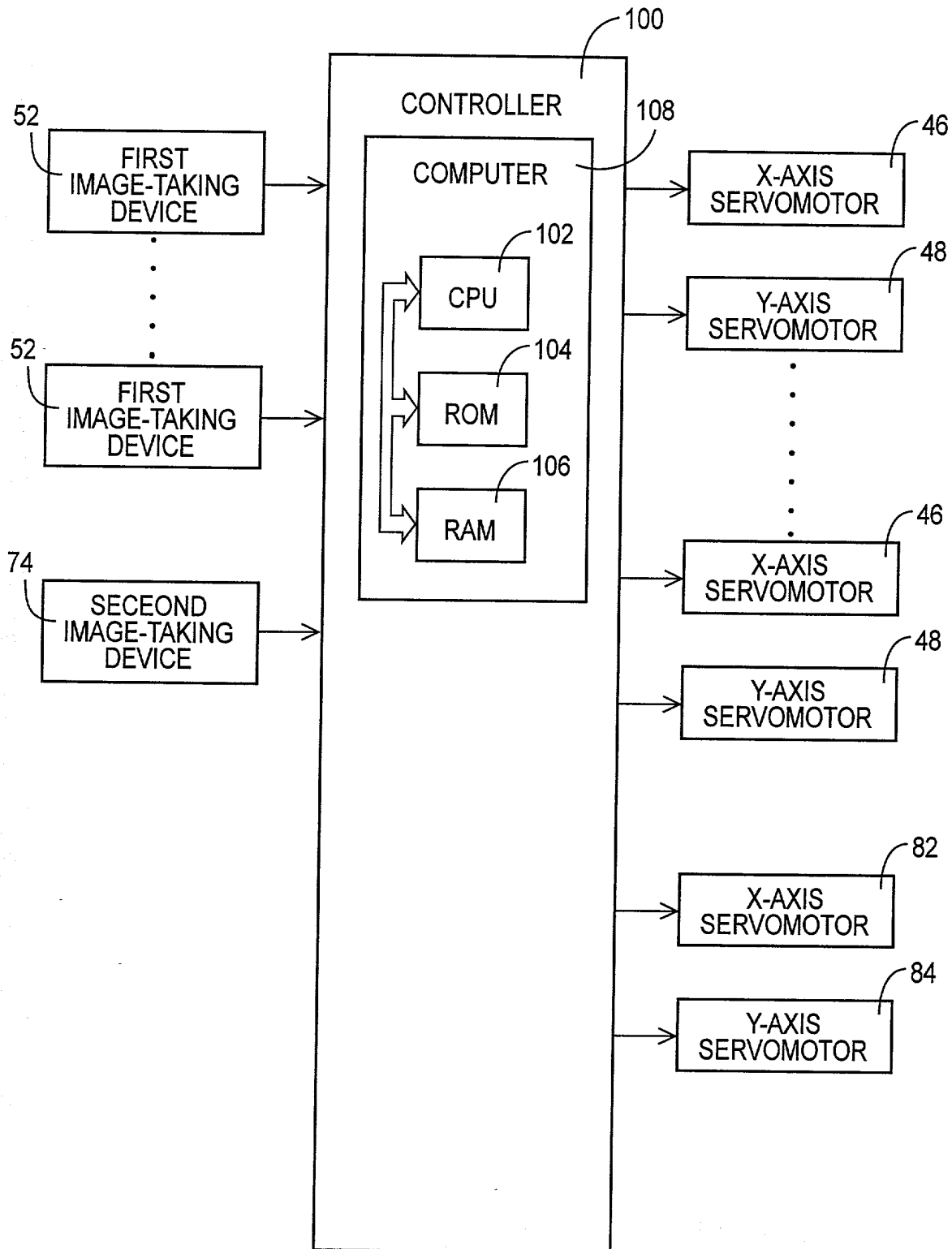


FIG. 11



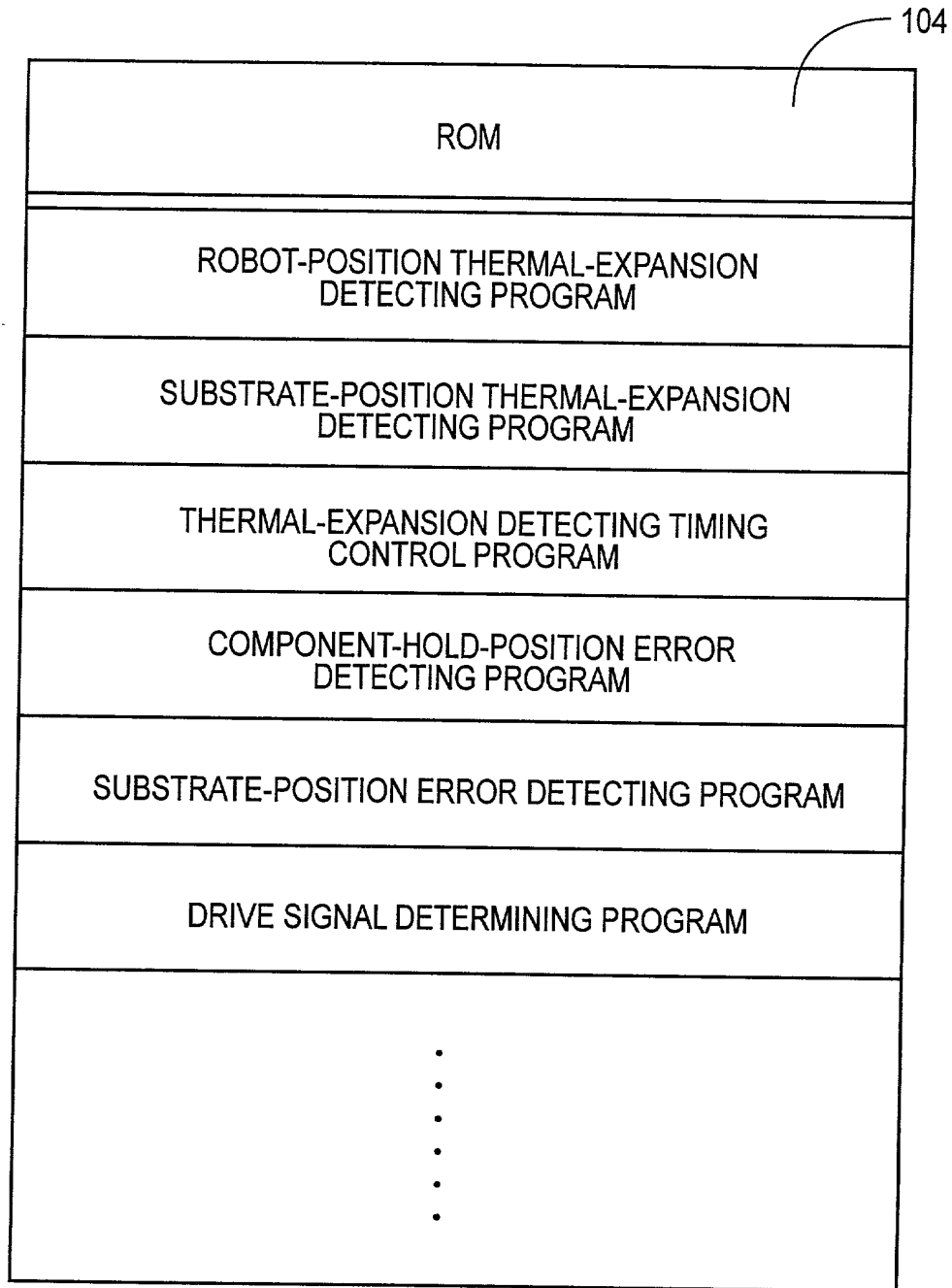


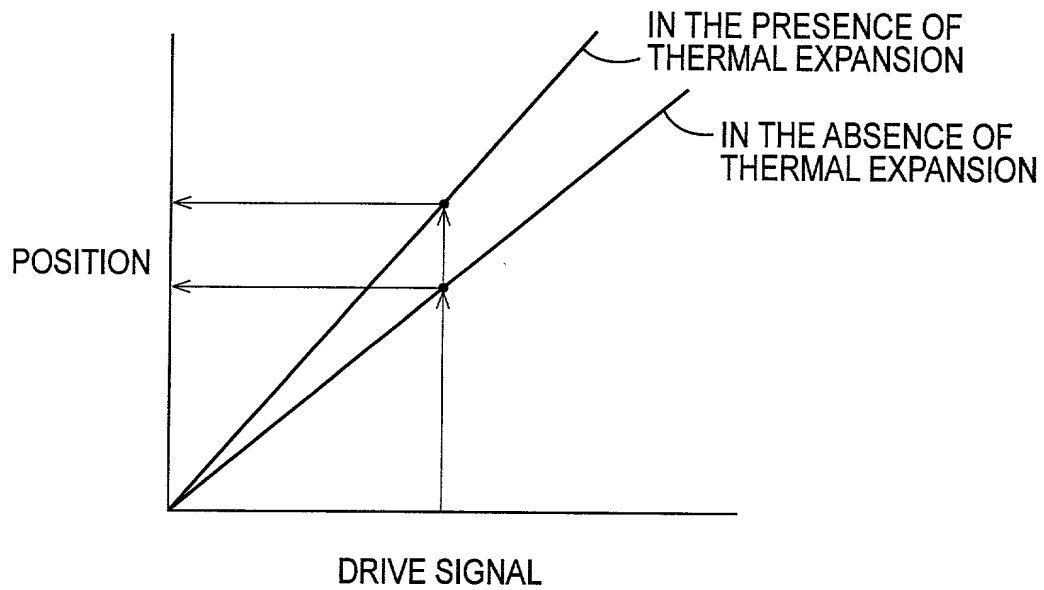
FIG. 12

FIG. 13

106

RAM
ΔX_{EP}
ΔY_{EP}
ΔX_{EB}
ΔY_{EB}
ΔX_{P^F}
ΔY_{P^F}
ΔX_{B^F}
ΔY_{B^F}
\vdots

FIG. 14



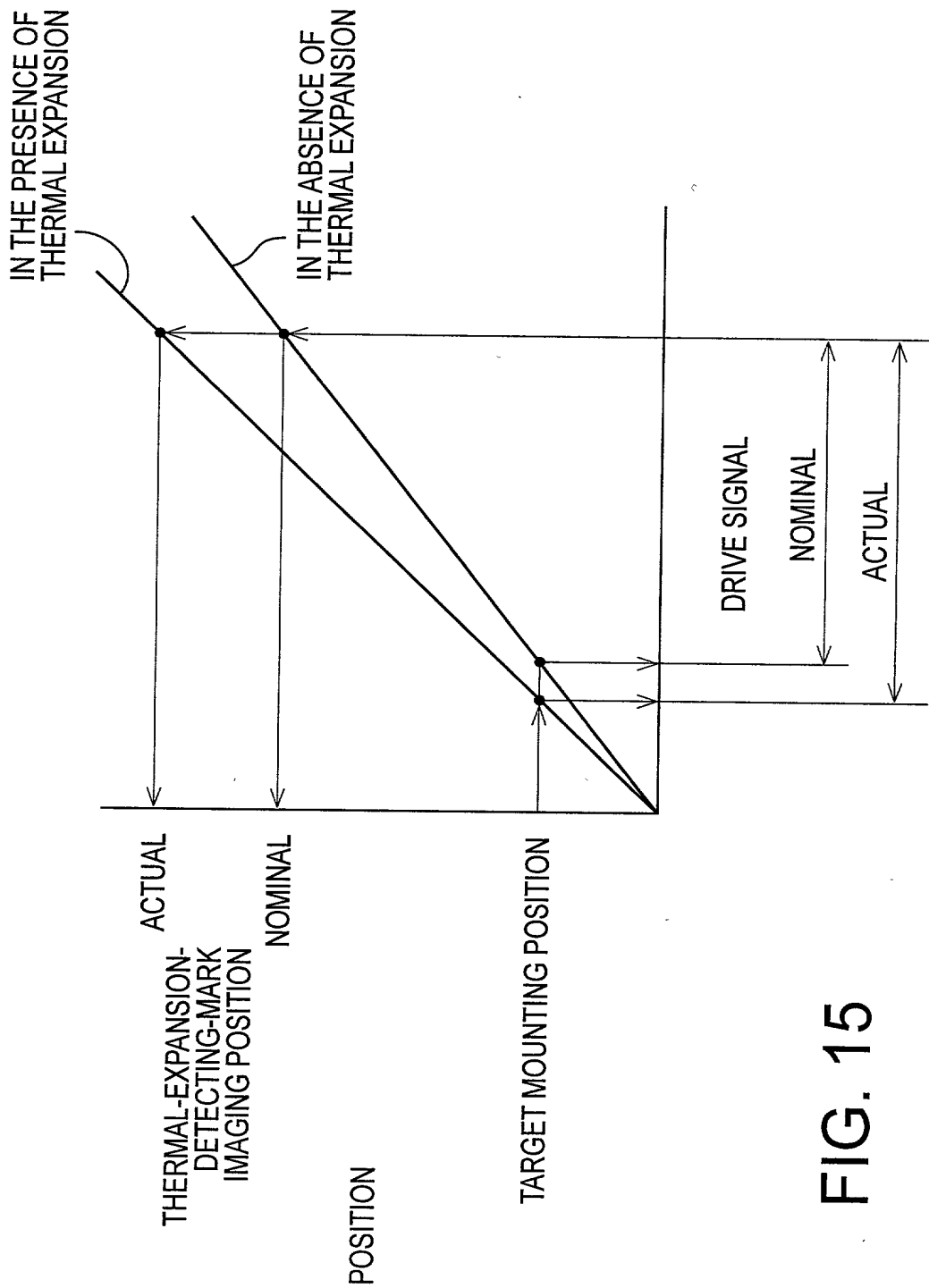


FIG. 15

FIG. 16

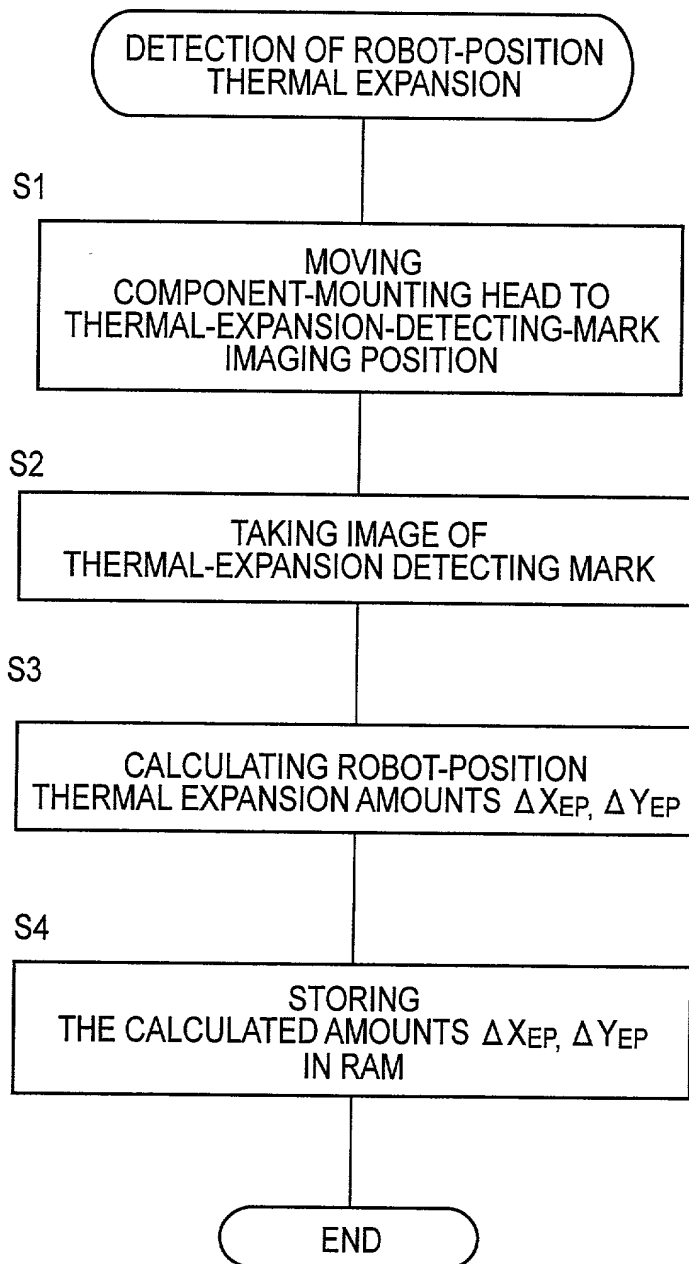
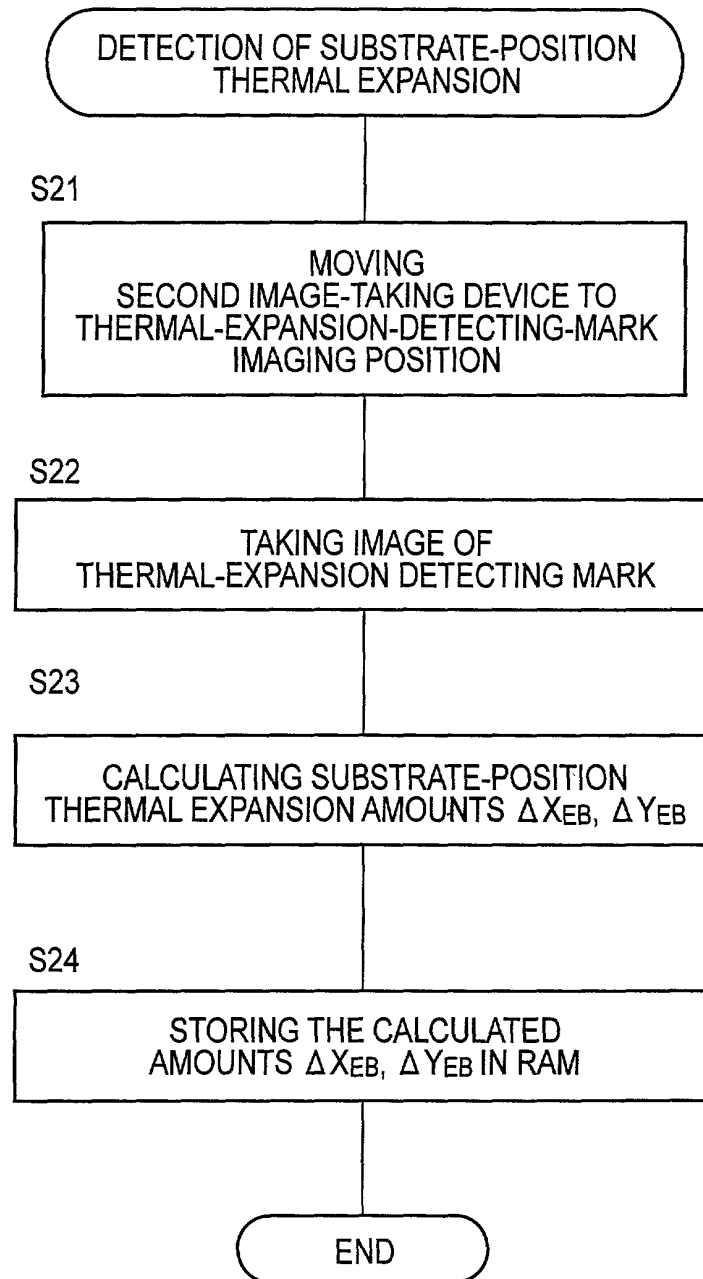


FIG. 17



CONTROL OF
THERMAL-EXPANSION DETECTING TIMING

FIG. 18

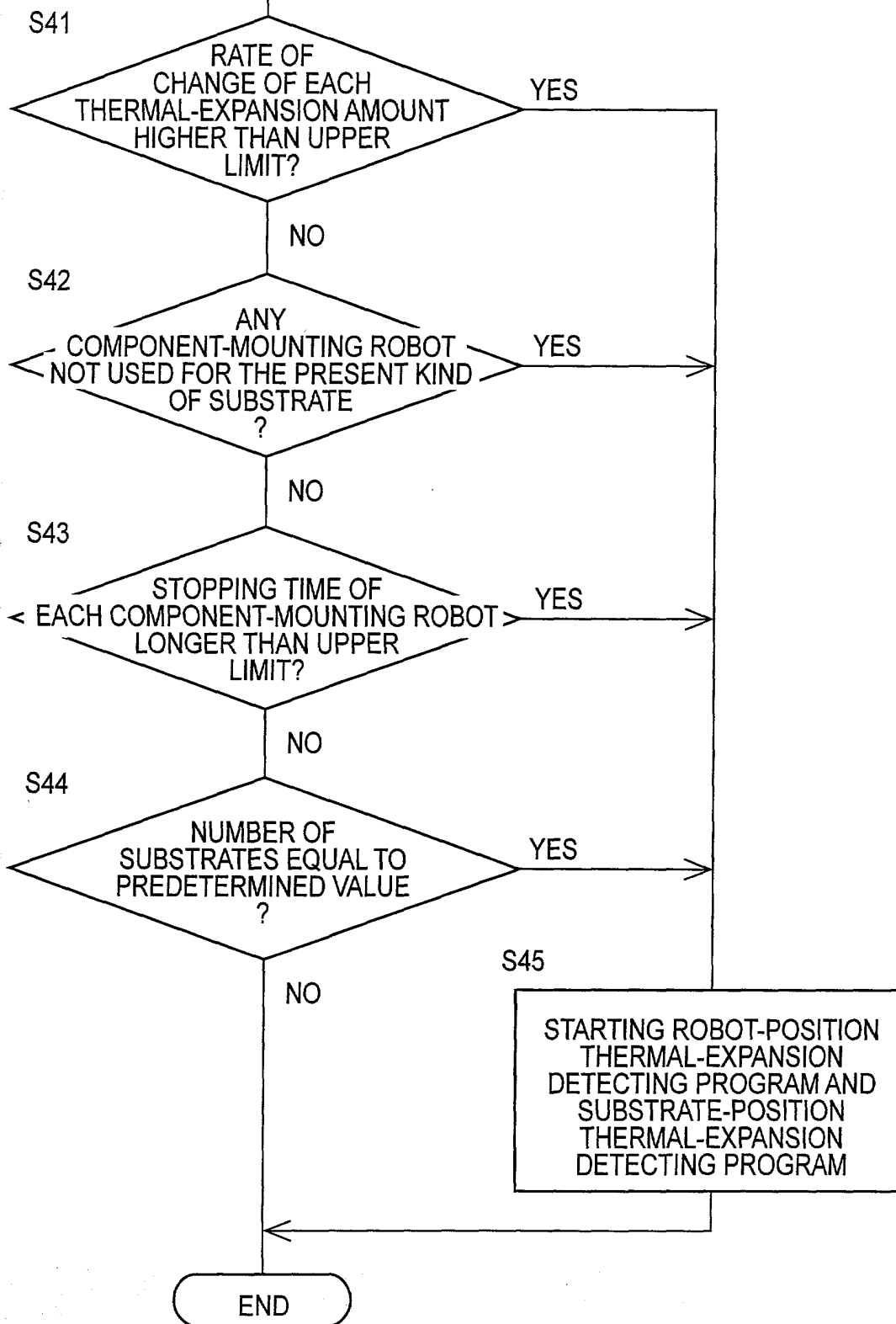


FIG. 19

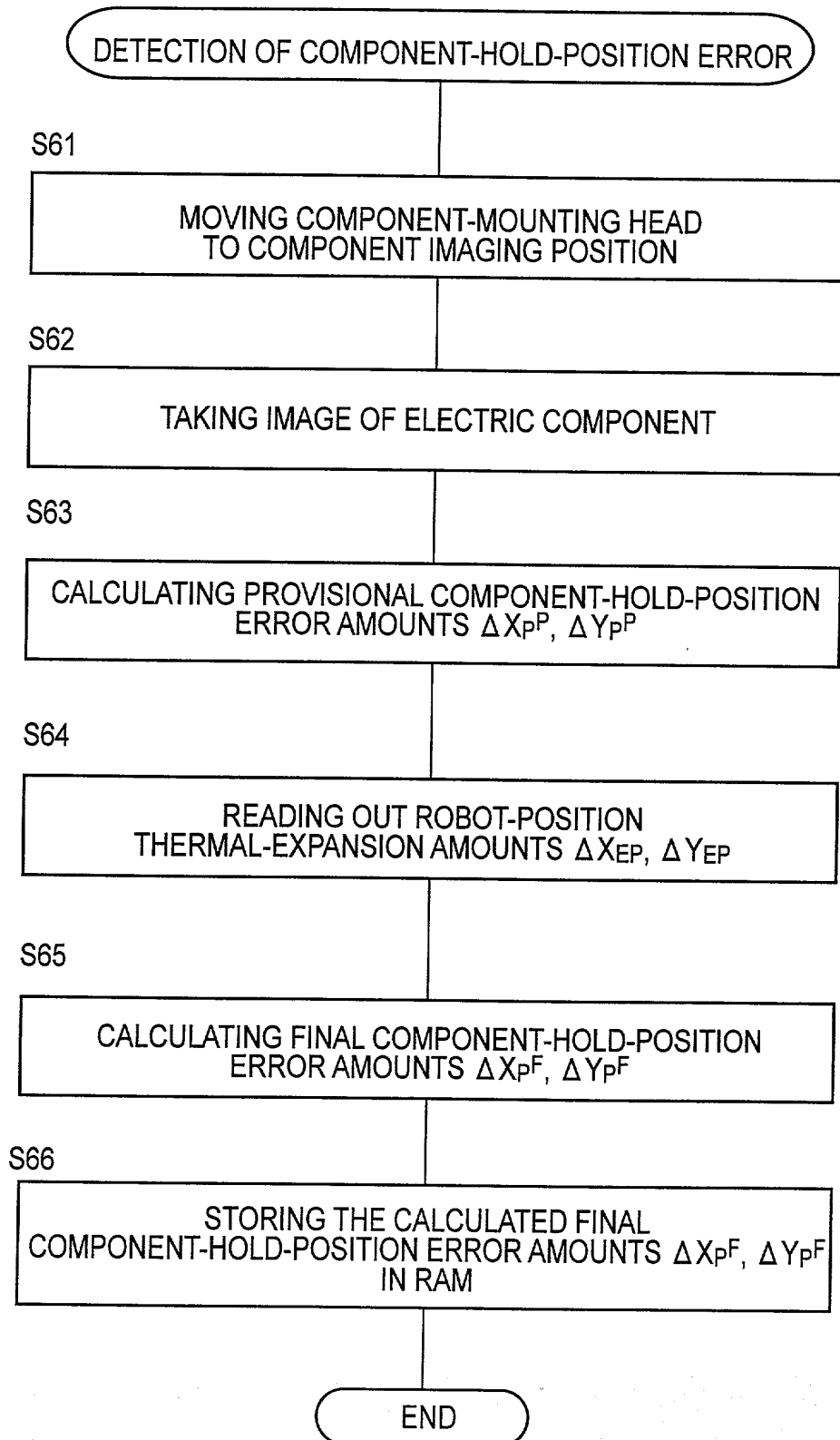


FIG. 20

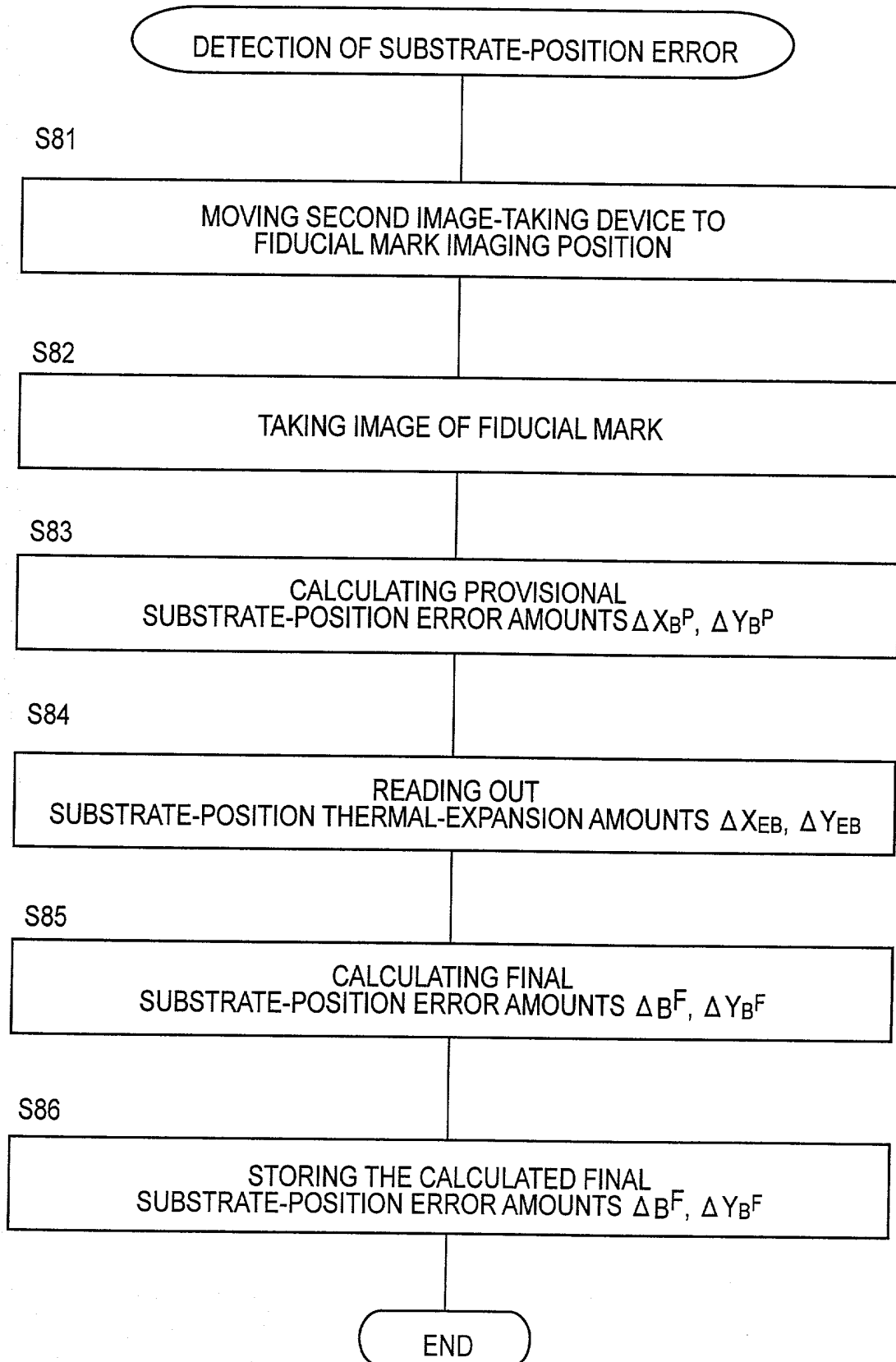
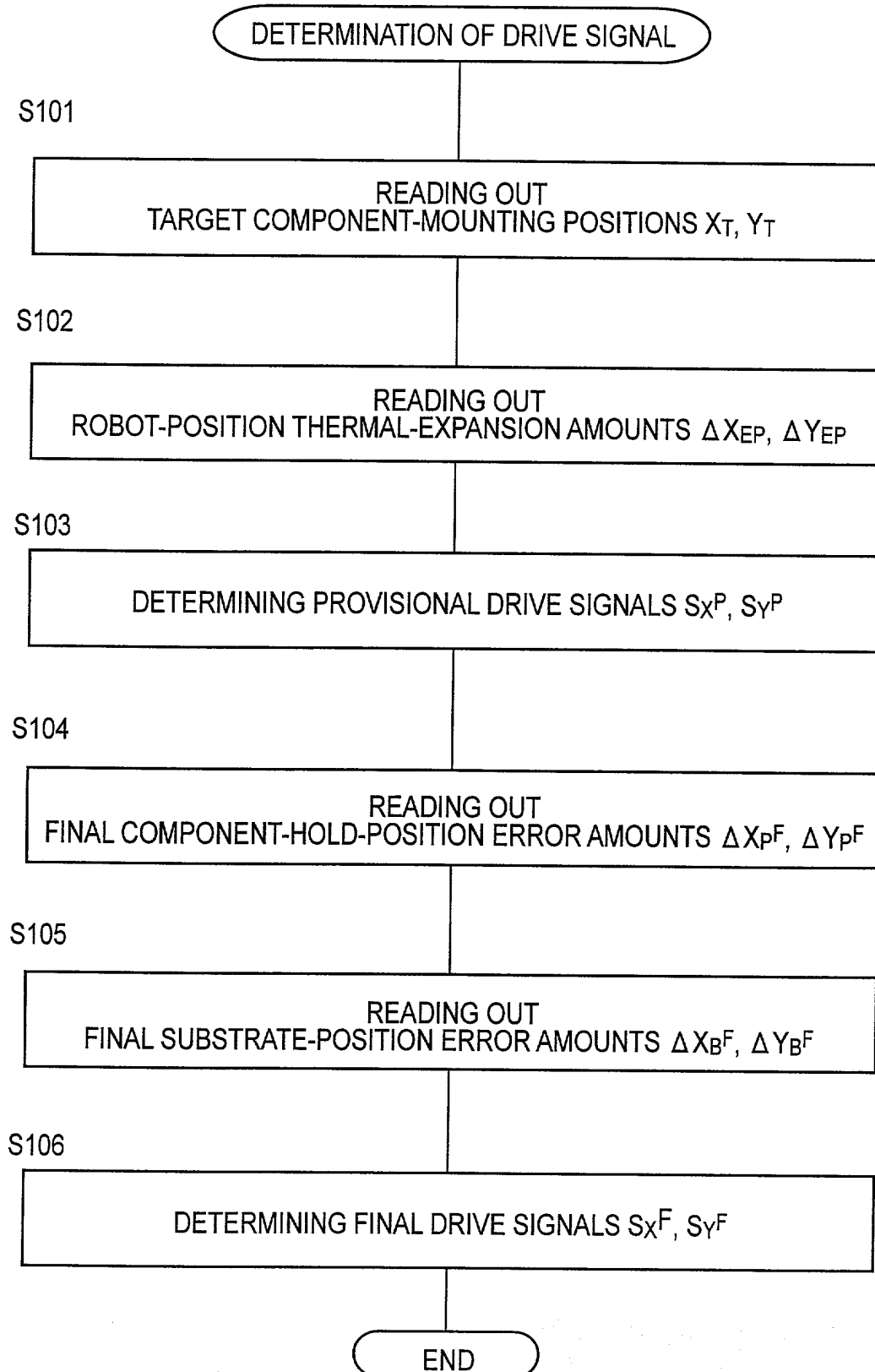


FIG. 21



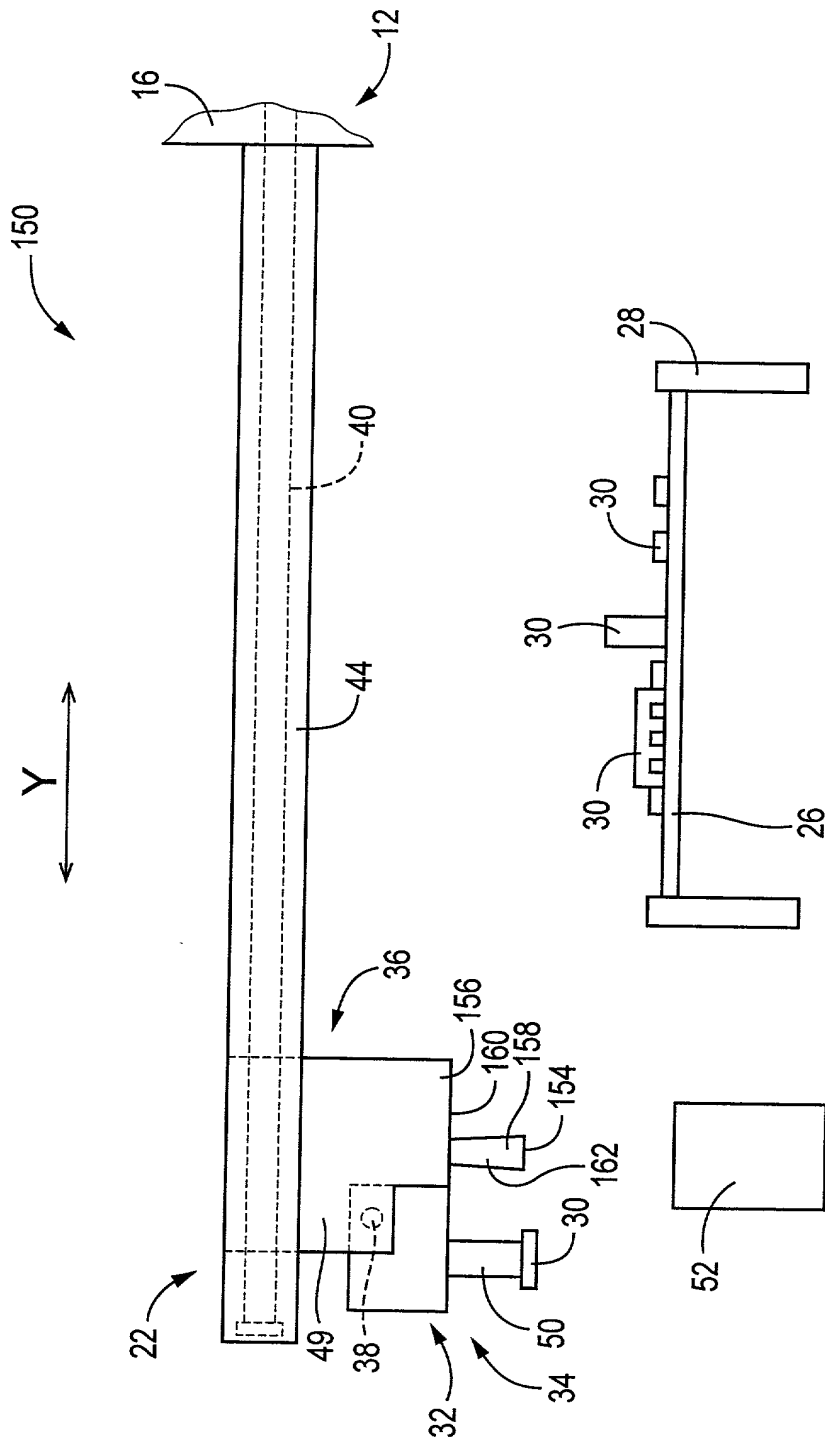


FIG. 22

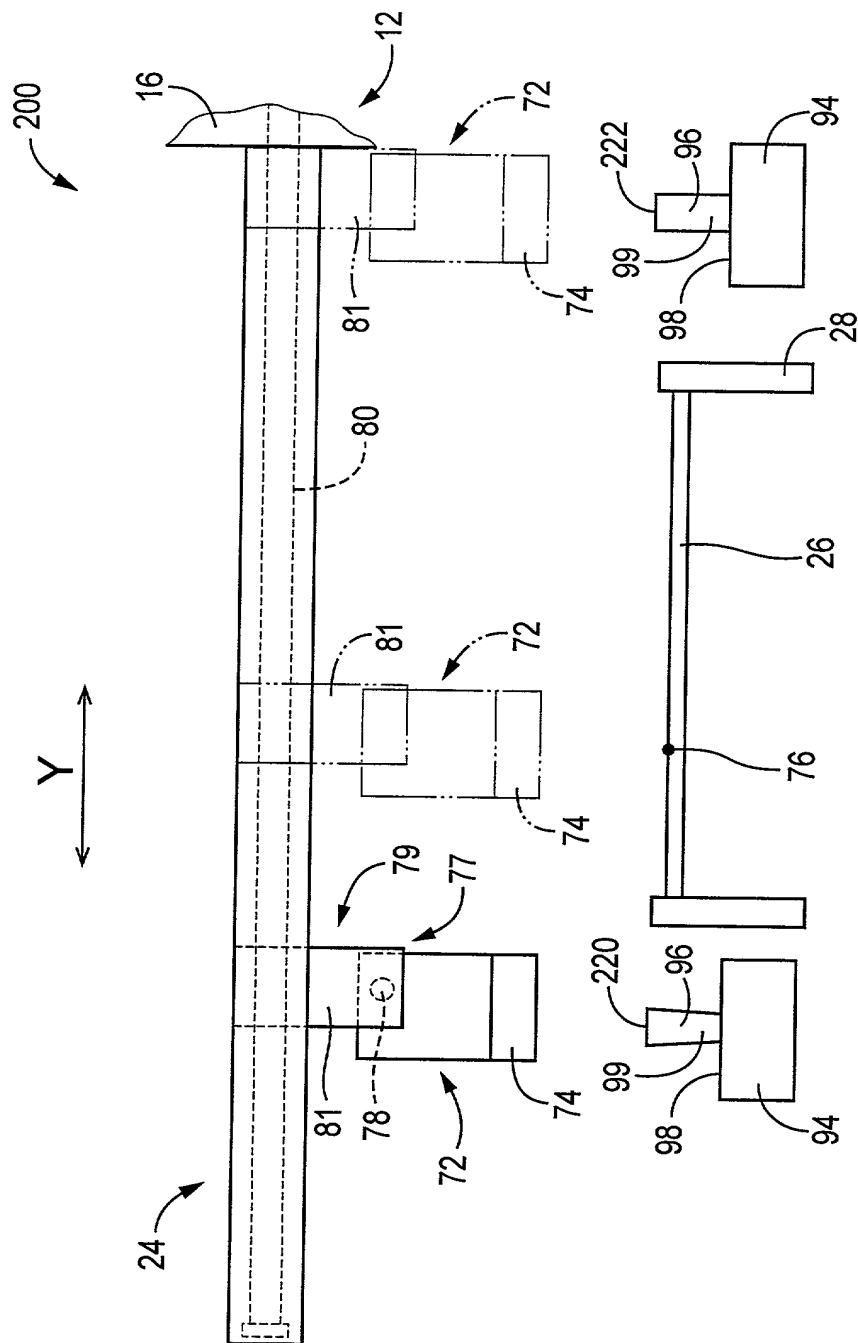


FIG. 24

FIG. 25

